



E9-1-1 Implementation Issues

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Wireless E9-1-1 Issues

- *Enhanced Emergency Call Completion*
- *Determination of Location Accuracy*
- *Handling of Legacy Wireless Units*

Enhanced Emergency Call Completion

- *Majority of wireless calls are completed on the first attempt*
- *To enhance completion of emergency calls:*
 - *Having 9-1-1 recognized as nationwide emergency phone number enables special procedures for 9-1-1 calls*
 - *Standards bodies are working toward enhanced 9-1-1 call completion in anticipation of flexible FCC direction*
 - *Any solution should include multiple and varied retries*

Enhanced Emergency Call Completion

- *Initial carrier selection can be accomplished in multiple ways*
- *Without other changes, handsets can get “locked-on” ineffective service*
- *Industry preference for Automatic A/B Roaming as initial carrier selection is based on maximizing E9-1-1 functionality*
- *Intelligent Retry alleviates “locked-on” situations by retrying until call result is satisfactory (normal disconnect)*

Location Accuracy

- *Current requirement is the accuracy for **all** calls be 125 meters or less using RMS*
- *Ericsson, Motorola and WEIAD-5 all have urged modification due to infeasibility of meeting this standard*
- *Requirement should be, as adopted by WEIAD-5:*
 - *“Phase II location will be attempted on all 9-1-1 calls routed toward a PSAP and will be accurate to within 125 meters in 67% of these cases.”*

Legacy Wireless Units

- *Outstanding CTIA petition for reconsideration concerning regulatory guidance*
- *Motorola requested clarification in October 19, 1998 Reply Comments*
- *December 24, 1998 public notice requesting comment on use of handset-based solutions*

Legacy Wireless Units

- *Without regulatory clarification, difficult for vendor to build, difficult for customers to request Phase II location solutions*
- *Solutions (network vs. handset) are likely to be system dependent, i.e. CDMA vs. GSM vs. TDMA vs. iDEN*

Conclusion

- *Enhanced emergency call completion should be resolved, with flexibility provided and include multiple and varied retries*
- *Location accuracy issues should be clarified in accordance with WEIAD-5*
- *Commission should provide guidance concerning the handling of legacy units*